

## Pay Equity Implementation On Hold Until Further Study

President Myer Horowitz has decided to defer implementation of the recently completed pay equity study until the matter has been thoroughly reviewed.

Dr. Horowitz made the decision to postpone implementation last Thursday evening and communicated his decision to the Board of Governors at its meeting the following day, 3 March. When a number of support staff attended the open portion of the Board meeting, Dr. Horowitz reiterated his earlier comments.

Dr. Horowitz said, "It has become clear to me during the past several days that many of my colleagues are concerned enough for me to be concerned and there are serious problems which must be dealt with." He went on to say that a review of initial decisions with regard to certain positions must be made and that "we must approach it in a fresh way."

Dr. Horowitz commented that the wisest action at this point is not to shelve the study completely but defer implementation from the

scheduled date of 1 April until a review has been done. He added that three years ago (when the study was introduced), he could have done nothing in the way of pay equity and that now the easiest thing would be to cancel the study entirely, but "the right thing to do is review it."

Alan Davis, system analyst, Educational Research Services, the group's spokesperson, told the Board that many support staff felt that the University wasn't open concerning how it was addressing

the pay equity issue and hoped better communication would be forthcoming. Brendon O'Neill, NASA President and Board observer, explained that NASA has been swamped with calls concerning the job evaluation study and that they have been doing their best to "bring everything back to normal." Mr. O'Neill added that when the agreement to pursue the job evaluation study was signed, it was felt to be a good agreement and "I feel it still can be."

Board Chair John Schlosser reiterated Dr. Horowitz's comments, adding that the Board is always willing to listen. "Your concerns are our concerns and we'll do everything we can to solve this issue," he stated.

In his report to the Governors, President Horowitz said that he and President-elect Paul Davenport have discussed the creation of two new visiting professorships: one in the humanities, social sciences, and fine arts to be named in honor of W.A.R. Kerr, President from 1936 to 1941; and the other in the sciences, engineering, and medicine to be named in honor of Robert C. Wallace, President from 1928 to 1936.

What makes these visiting professorships different from others on campus, Dr. Horowitz explained, is that the recipients will come to campus for six months to a year, unlike most professorships where the stay is considerably less. The Professorships will be occupied in 1990-91.

Dr. Horowitz also announced the receipt of another global grant from the Canadian International Development Agency (CIDA). Six years ago CIDA and the University

*Continued on page two*

# FOLIO

University of Alberta

9 March 1989



## hab Medicine a Stop on the Way to Katmandu

Yagesh Bhambhani (Occupational Therapy) monitors the readings on oxygen, carbon dioxide and heart rate on Ross Sheppard student Lisa Talavia as she pedals her way through the incremental exercise test in a Rehabilitation Medicine laboratory. Dr. Bhambhani assessed the peak cardiovascular fitness of six of the 20 high school students who left on 3 March for a month-long trip to Nepal. He's providing the students with basic data for the report they are writing on the body's reactions to high altitude. Their trek may take them to an elevation of 27,000 feet.

University of Alberta

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- Strembitsky, Marliss among honorary degree recipients
- Kirk and Spock in a new light
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Folio 9, March 1989

## Board Meeting

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coordinated scholarships for students from Third World countries (CIDA matching every dollar the University contributed). Now a new five-year agreement with CIDA puts their contribution at \$2 for each U of A \$1.

Dr. Horowitz also mentioned that the President's Advisory Committee on Campus Reviews (PACCR), nearing its 10th year of existence, will be undergoing its own review to assess its effectiveness.

## Board Briefs

The Board Building Committee sought and received Board approval to temporarily suspend a policy which prohibits parking in a section of the east campus area. This will accommodate vehicles which will be displaced during the construction of the Timms Collections Centre and occupancy of the trailer site in North Garneau to house Extension faculty.

The Board's Educational Affairs Committee announced the appointment of three department chairs whose terms begin 1 July 1989 and extend for five years: Paul Sorenson will head Computing Science. Dr. Sorenson comes from the University of Saskatchewan where he is a professor and former Chair of the Department of Computational Science; Byron Kratochvil, currently a professor in Chemistry, will take over as Chair of the department; and William Paranchych, Professor of Biochemistry, will Chair the Department of Microbiology. □

## SYMPOSIUM

### Optimizing the Graduate Student-Adviser Relationship

Wednesday, March 15,  
9:00 a.m. — 5:00 p.m.

Back Room  
North Power Plant

*Sponsored by:*  
Student Counselling  
Services and  
The Graduate Students'  
Association

## Proposed Master's Program in Speech-Language Pathology Moves a Step Closer to Reality

General Faculties Council supports the establishment of a master's degree program in speech-language pathology.

At its meeting on 27 February, Council voted 63 to 2 in favor of a program that will give students added clinical and research expertise to bring to the profession upon return to the workforce. A long-term objective is to educate speech-language pathologists who will be eligible for certification across North America.

It's not certain at this time what the student quota would be, but discussions with Alberta Advanced Education and Alberta Health, Hospitals and Medical Care continue.

The proposed program still has to be approved by the Board of Governors.

At the same time that it endorsed the master's program, Council eliminated the BSc degree program in Speech Pathology and Audiology. The BSc program had been offered since 1969, but the master's degree is fast becoming the required credential for professional certification in speech-language pathology in Canada and the United States.

The last intake of students into the BSc program will be September 1990.

There are currently seven training programs in speech-language pathology and audiology in Canada.

## Other Matters

Chairman Myer Horowitz noted that the University is just about ready to proceed with detailed planning for the reconstruction of Corbett Hall. The Faculty of Rehabilitation Medicine will be the sole occupant; various locations on and off campus have to be allocated to the Faculty of Extension (one of the on-campus spots being a portion of the second floor of the Students' Union Building. University Health Service will also be relocated here).

After Dean McDonald (Science) asked about a priority list of buildings, Dr. Horowitz said there has been no reconsideration by the Planning and Priorities Committee for about two years. The top two priorities remain expansion to the Library and the first phase of the Engineering complex (read: Electrical Engineering and Computing Science).

In presenting the annual report

(for 1988) of the University Animal Policy and Welfare Committee, Brian Dunford said the major accomplishments during the past year were renovations to the seventh floor west of the Dentistry-Pharmacy Centre and the purchase of about \$400,000 worth

of cages. However, the committee has not been able to do anything about renovations to the basement of the Medical Sciences Building, he said. The estimated cost is \$3.8 million. Dr. Horowitz replied, "I'm very optimistic that this matter will be tended to with speed." □

## Library Starts Barcoding Project

The Library has embarked on a major project.

Barcode labels will be attached to all monographs listed in the Online Public Access Catalog (OPAC). This labelling is required before the Library switches from the current automated circulation system to a more sophisticated one which will work with the automated DOBIS catalog.

What does this mean to you? For the duration of the project, a slight disruption in the stacks as Library staff, working in teams, affix the labels to the books. "We will, of course, ensure that disruption is kept to a minimum and, as far as

possible, avoid exam study times," says Jenny O'Shea (Library Systems). Some temporary changes in the loan period for University staff may be required in the Area Libraries as they undertake their share of the barcoding project.

The project requires the attaching of more than 1 million labels. If additional outside funding is obtained, the project should be completed in 1990-91. Work has started in the Health Sciences Library and from there will move to the H.T. Coutts Education Library. Progress reports will be issued. □

## Nominations for Academic Staff to Serve on the Board of Governors

This summer there will be vacancies on the Board of Governors for two academic staff representatives. These positions are currently held by Dr. Gouri Gourishankar and Dr. Linda Woodbridge. There will be an election in April to fill one vacancy and an election in June to fill the second vacancy.

The procedures which govern these elections are contained in Section 22 of the GFC Policy Manual and are contained in the University Secretariat, 2-5 University Hall.

*Nominations are now sought from among members of the continuing academic staff*, including faculty members, APOs, FSOs, Librarians, soft-tenure faculty (e.g., Heritage Scholarship and NSERC Fellows), and continuing part-time counterparts to any of these academic staff categories.

Please note that at least **one** of the two academic positions on the Board must be held by a full-time faculty member who does not hold a senior administrative position. Since this is the first of the two elections, **any** member of the academic staff described is eligible to serve.

Nominations should be submitted in writing to Ellen Schoeck Solomon, 2-1 University Hall, must be supported by the signatures of five other academic staff (as described in the paragraph above), and must be **received by 13 March 1989, 12 o'clock noon**. Nominees must be **wil** to serve, and will serve a three-year term on both the Board and General Faculties Council. A biographical sketch of the nominee should accompany the letter of nomination.

If you have any questions, contact Ellen Schoeck Solomon at 492-5430 or on PROFS (ESOLOMON).

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## Jean-Louis Malouin Appointed Dean of Business Faculty

Jean-Louis Malouin has been appointed Dean of the Faculty of Business for a five-year term, effective 1 July. The announcement was made at the 3 March meeting of the Board of Governors.

Dr. Malouin is currently at Université Laval where he is professor in the Faculty of Administrative Sciences and former Dean of the Faculty (1984-88). His field of specialization is operations management with supporting interests in management and computer sciences.

Dr. Malouin joined the faculty of Université Laval as lecturer in 1966 and was appointed full professor in 1978. An alumnus of Laval, where he earned bachelor's and master's degrees, Dr. Malouin received his doctorate from the University of California, Los Angeles. His teaching interests are in operations management, production management, information systems and research methodology and he instructs courses at graduate and at undergraduate levels.

Among his many community and professional activities, Dr. Malouin is Director of the National Development,

Canadian Federation of Deans of Management and Administrative Sciences; President of the Orientation Committee of the Quebec Apparel Productivity Centre; member of the board of directors and the executive committee of the National Centre for Management Research and Development at Western University; a member of the Advisory Council of the University Scholarships of Canada; and a member of the board of directors of Synertech Inc. He has been involved in the delivery of televised courses on Radio-Quebec on owning your own business, and has acted as a consultant to Quebec's Ministry of Industry, Commerce and Tourism, Quebec's Working Compensation Board and the Organization for Cooperation and Economic Development. He has also been manager of several real estate firms.

Dr. Malouin is a member of a number of scientific societies, including l'Association canadienne-française pour l'avancement des sciences, and the Institute of Management Sciences. □

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## Norman Wood to Lead Faculty of Dentistry

Norman K. Wood has been appointed Dean of the Faculty of Dentistry for a five-year term, effective 1 July. The announcement was made at the March 3 Board of Governors meeting.

Dr. Wood is currently at Loyola University, Maywood, Illinois, where he is professor and Chair of the Department of Oral Diagnosis/Oral Radiology/Oral Pathology, and professor of oral surgery.

Dr. Wood joined Loyola University Dental School in 1968 as assistant professor of oral diagnosis and oral surgery and Chair of the Department of Oral Diagnosis, and was promoted to professor in 1976. In 1987 he was appointed professor and Chair of the Department of Oral Diagnosis/Oral Radiology/Oral Pathology.

His current research includes studies on the effect of Listerine mouthwash on hamster cheek pouch linings, and of the spread of cancer cells in hamsters after surgery for cheek pouch cancer.

Born in Perth, Ontario, Dr. Wood obtained his DDS from the

University of Toronto Dental School in 1958, then went on to earn an MS (1966) and PhD (1968) from Northwestern University. Since 1965 he has had a part-time private practice in oral surgery and oral medicine. He is a consultant at Hines VA Hospital, Illinois, and for Science Research Associates in Chicago.

Dr. Wood has Fellowship status in the American Academy of Oral Pathology, of which he is Vice-President. He has held two three-year terms as Director of Education of the Academy, and has twice been Chair of its Education Committee. He is also a member of the professional education committee, and of the oral cancer-sub committee, of the Illinois Division, American Cancer Society.

The author or co-author of eight textbooks, seven of which have been translated into foreign languages, Dr. Wood has given numerous presentations and continuing education courses, including slide-script programs on his areas of specialty. □

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## Senate Announces Honorary Degree Recipients

On 2 March, the Senate's Honorary Degrees Committee announced that the following individuals will receive honorary degrees at Spring Convocation:

- 5 June, Ronald Banister, Doctor of Laws, and Lloyd MacLean, Doctor of Science.
- 6 June, Michael Strembitsky, Doctor of Laws.

● 7 June, Thomas Walsh, Doctor of Laws.

● 8 June, Chester Cunningham, Doctor of Laws, Stephen Ramsankar, Doctor of Laws.

● 12 June, Ursula Franklin, Doctor of Science.

● 13 June, Ethel Marliss, Doctor of Letters.

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## Future of Equity Adviser Position

President Myer Horowitz told the Senate at their 2 March meeting he had discussed with President-elect Paul Davenport the position of Equity Adviser to the President.

On the one hand, Dr. Davenport was very interested in continuing that office into his term, Dr. Horowitz reported. But the

President-elect felt it would make more sense "for the major decision for the long-term arrangement to be deferred" until he assumed the presidency.

Doris Badir, who currently holds the office of Equity Adviser, has agreed to continue in the position into the next academic year.

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## Far-flung Communities Enjoy University Programs

From Yellowknife to Lethbridge, 126 people have signed up for the program, "Principles of Supervision", offered as a pilot project by the Faculty of Extension, in cooperation with ACCESS, reported Senate Executive Officer Mary Totman.

The course, part of the Supervisory Development Citation

Program, is being offered at 22 sites in the province to meet the need—expressed to the Senate at their 1987 meeting held in Yellowknife—for more University cooperation with the outer reaches of its constituency.

The University is now also

*Continued on page four*

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## Looking the Way We Are

Why do we expect fat people to be jolly? And why are we surprised when "such a nice-looking person" turns out to be a criminal?

In part, at least, those expectations stem from long-standing literary traditions, according to Juliet McMaster, professor of English at the University of Alberta, whose current research is on body and character in the 18th-century novel.

Novelists in the 18th century constructed visual images of their characters to signal what they were like inside, Dr. McMaster says.

Physical features, state of health and disabilities were all bases for judgments about the person in novels of the period. A low forehead, for example, indicated low moral character, and illness often came as punishment for wrong behavior.

"There are endless intricate connections between the mind of the character (which the novelist

wants to reveal) and the character's body (which becomes the means of revealing)," says Dr. McMaster.

Of course, these associations are not absolute. A deformed body might contain a beautiful soul—presenting a dilemma for characters to struggle with and learn from. (Appearances can delude.)

On the whole, though, 18th-century novelists and their readers agreed that physical appearance was an important source of information about people.

Today we still believe many of the correlations presented in these early novels: a balding man looks kind, a person with a patch over one eye looks evil.

Dr. McMaster's research is supported by the Killam Program of the Canada Council. □

*\* Reprinted from Research Report, published quarterly by the University's Office of Public Affairs.*

## New Compounds Available to Lower Cholesterol

Researchers at the University of Alberta have designed a method of creating synthetic compounds that lower the blood levels of cholesterol.

A unique feature of the method is the special chemical bonding agent invented by the scientists to join two carbon atoms at a certain stage in assembling the molecules.

"Our whole strategy for assembling these complex substances is totally new," says synthetic organic chemist Derrick Clive, "and we've built in an element of generality that none of the previous work has. The special reagent we invented is likely to be useful in the construction of all sorts of other compounds that aren't necessarily related to blood cholesterol."

Dr. Clive and his team based their design strategy on the similarity in structure of two powerful natural substances, compactin and mevinolin, known to lower blood cholesterol levels. Though structurally similar, the substances are not identical—mevinolin, the more biologically active, contains an extra group of atoms.

The researchers devised a method of building a synthetic structure patterned on the two substances to the point where their structures cease to be identical. From that point, "we can tuck on changes," says Dr. Clive.

By making and testing the two natural substances, then making and testing "a third, unnatural one that is very active," he has proved

that the strategy works.

"Now we have the technology to design essentially whatever sort of analogs we want," he says (analogues are substances that are similar but not identical).

Dr. Clive's work has been supported by an equipment grant from the Alberta Heritage Foundation for Medical Research, and by the Alberta Heart Foundation and the Natural Sciences and Engineering Research Council.\*□

*\*Reprinted from Research Report, published quarterly by the University's Office of Public Affairs.*

## Senate

*Continued from page three*

assisting Athabasca University and Arctic College in coordinating and offering first- and second-year university-transfer courses for students in the north.

As well, a series of general interest lectures for members of the public was inaugurated in Yellowknife in January. These Yellowknife lectures are coordinated by Special Sessions together with Athabasca University and Arctic College, and are delivered by faculty of the three institutions.

## Senate to Meet in Medicine Hat

Medicine Hat is the site of the Senate's out-of-town meeting, 15 September.

Now an annual event, the out-of-town meeting gives citizens and citizen groups from the host community the opportunity to express their views directly to Senate.

Cities that have hosted the Senate in previous years include Yellowknife, Peace River and Fort McMurray.□

*Next week: a report on the panel discussion titled "The Professor as Teacher."*

## Golden Bears Versus Dinnies for CWUAA Marbles

The Golden Bear hockey team hosts the University of Calgary Dinosaurs this weekend with the Canada West University Athletic Association (CWUAA) title at stake.

The winner of this series will represent CWUAA at the national championships in Toronto, 16 to 18 March.

The two-out-of-three game series will be played as follows: Friday,

10 March, 7 p.m.; Saturday, 11 March, 7 p.m.; Sunday, 12 March, 2 p.m. (if necessary).

All games will be played at Varsity Arena.□

## FOLIO

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University  
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## Paul Hirst: EFF Distinguished Visitor

Paul H. Hirst is a Distinguished Visitor to the University of Alberta, 13 March to 14 April. His visit, which is sponsored by the Department of Educational Foundations, is made possible by a grant from the Endowment Fund for the Future.

Professor Hirst has recently retired as Professor of Education at the University of Cambridge. A philosopher of education, he has been influential in the development of the field in Great Britain. His special areas of interest are education and the nature of knowledge and religious and moral education.

His books include *Knowledge and the Curriculum*, *Moral Education in a Secular Society*, and (with R.S. Peters) *The Logic of Education*. In addition, he has published numerous articles and edited *Educational Theory and its Foundational Disciplines* and *Education and the Development of Reason*. He is also the Chair of Universities Council for the Education of Teachers and was a member of the Committee of

Inquiry into the Education of Children from Ethnic Minority Groups, more popularly called the Swann Commission after its chair, Lord Swann.

While at the University of Alberta, Professor Hirst will give a number of seminars that have been arranged in cooperation with departments that share his interests. On 15 March he will give a seminar in the Department of Religious Studies on the topic, "Religious Education in a Pluralistic Society." The following day he will speak in the Department of Educational Foundations on "The Educational Significance of the Arts." His topic for the Department of Philosophy (23 March) is "The Relationship Between Theoretical and Practical Reason." He will speak on "The Role of Practice in Professional Training" in the Department of Elementary Education (6 April) and on "The Forms of Knowledge and Curriculum Planning" in the Department of Secondary Education (13 April).□

# Film Theorist Constance Penley Displays Enterprising Mind

When Constance Penley asks whether women "are going to boldly go where no women have gone before?" she has particular women in mind.

A film theorist at the University of Rochester, Penley presented the second lecture in the Faculty of Arts' "Beyond Boundaries" series, on 27 February. Her talk, "Romantic Pornography: on Female Fandom," reported on work in progress, raising issues around feminism and popular culture. The "fandom" (group of fans) she discussed is a spin-off of the "Star Trek" fandom.

"I want to examine what women do with commercial popular culture products like this series," she explained. She focuses on about 500 fans, almost all of whom are women, who are readers, writers, artists, editors, or publishers, or a combination thereof, involved in "Star Trek" 'slash lit'. In this case, she explained, "slash" does not refer to the use of slash marks in post-structural criticism. Rather, it denotes the code designation with a slash, such as "K/S," in DATAZINE, a publication listing amateur fan magazines (or 'zines'), and refers to "any fan 'zine' that contains stories, poems and drawings that take as their premise an explicitly sexual relationship between two main male characters." Thus, K/S refers to Captain James Kirk and Mr. Spock.

"My work attempts to bring together feminist theory, methods for study of popular culture and psychological theory taken from a radical feminist reworking of psychoanalysis," Penley said. For the last two years, she's ordered copies of K/S and recently attended

a "slash" convention.

In her work, as in any analysis of popular culture, Penley said, she saw the challenge of "walking the tightrope" between condemnation of that culture and celebration of creative appropriations of "acts of resistance to the hegemony of popular culture."

## Classic 'Slash' Story

For those not familiar with the genre, she described a typical, classic "slash" story written about 1976: Kirk and Spock beam down to an alien planet. Deserted by the Enterprise due to an ion storm, they deal with dangerous plants and creatures. Then Spock (who is half-Vulcan) goes into "Pon Farr", suffered every seven years by Vulcan males, and he will die unless he mates with someone he loves. Sex with Kirk saves him and the two discover their mutual love. The ship returns and the story ends with them alone together in Kirk's quarters. Later stories, Penley continued, have developed variations of the original rather tame and abstract scenes of sex, with descriptions of Vulcan green genitalia, ranging from the exotic ("sounds like a Judy Chicago dinner plate") to the graphically clinical.

In her study of K/S, Penley said, her questions have included: are the female fans gay or heterosexual (most are heterosexual); how does it relate to gay politics; do the women see themselves writing "renovated romance" or "female pornography;" how does 'slash lit' fit with the rest of their lives; how is it related to feminism, why are no female characters involved?

Answers, she proposed, have implications for issues of genre, indentification and fantasy.

## 'Being and Having'

Penley suggested that while this form of fantasy contains few depictions of a gay sub-culture or politics, she has seen a recent emerging of political self-consciousness, but she predicts this aspect will not predominate. She thinks that by enabling the characters to be lovers but somehow not homosexual, the fantasies allow more range for "identification" for the fans. If you apply the psychoanalytic interpretation that the two poles of fantasy are "being and having", explained Penley, then making the characters heterosexual allows women to "be" and still "want" them. Cross-gender identification is possible in fantasy, she explained, if you accept that the subject, at the level of the unconscious, is bisexual.

To understand why the women

fantasize about these particular characters, she asserted, you have to understand that they are devoted fans who love and identify with the "Star Trek" universe yet are disappointed that certain elements are missing.

Penley dubbed the genre "romantic pornography". She agrees with other academics studying "slash lit" who suggest it's "renovated romance" since "the characters offer the possibility of a transcendent mystic union" without the dominance-submission in the typical male/female romance formula. However, she noted, its explicit nature should not be discounted and sees it offering lessons about female pornography as well.

She expressed concern about the fact that the women involved distance themselves from feminism and concluded that both "slashers" and feminists could learn from one another through this "most radical appropriation of a mass cultural product." □

## Athabasca Selects Horowitz as Honorary Degree Recipient

As you read this, Myer Horowitz, man of many appointments, is probably adding several more to his calendar in the closing months of his presidency.

The notation for 11 June rates block letters; Athabasca University will award him an honorary degree of Athabasca University at its 12th convocation.

Athabasca University is pleased to be able to honor and recognize one of Canada's outstanding university presidents," says Ross Paul, the university's vice-president Academic.

"Dr. Horowitz," Dr. Paul

continues, "is recognized as a superb administrator and a leader among Canadian university presidents, but, more importantly, he is admired for his warmth, lack of pretensions, concern for people, and integrity.

"Throughout his career he has had a passionate commitment to teaching, to teachers, and to the highest standards of education and research."

Athabasca University will also present an honorary degree to labor mediator William (Bill) Kelly. □

## Constitutional Studies

Centre for

The Centre for Constitutional Studies of the University of Alberta invites you to attend

## The McDonald Constitutional Lecture

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Constitution:  
We The People In Court"*

**Monday, March 13, 1989**

**8:00pm**

Tory Lecture Theatre (TL-11)  
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Reception to follow at the Faculty Club  
R.S.V.P. - Acceptances Only 492-5681

constitutionnelles

**Centre d'études**



# Folio

## Display Advertising

*Folio* is the official news publication of the University of Alberta, published every Thursday throughout the year (except for July and August when it appears bi-weekly). It has a regular distribution of 9,000 of which 7,800 copies are circulated to teaching and support staff, to graduate students and to other interested people on campus. The remaining copies are sent to provincial and municipal government personnel, news outlets, and businesses and people off-campus.

## Sizes and rates

The basic unit size is 27 agate lines x 23 picas (3 7/8" x 2"). The full page is divided into 10 such units, any combination of which is available at a cost of \$35 per unit (minimum 1 unit). Half page cost: \$175. One column cost \$87.50. There is a 15% discount for University departments. A 10% discount is offered for five or more consecutive insertions.

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## Centre for Studies in Clinical Education Established

The Faculty of Rehabilitation Medicine has established a Centre for Studies in Clinical Education.

Made up of the Departments of Occupational Therapy (OT), Physical Therapy (PT), and Speech Pathology and Audiology (SPA), Rehabilitation Medicine has been training health care professionals for more than 20 years. Like most professional training programs, Rehabilitation Medicine has relied extensively on practicum or field work experience in the education of students. Unlike the more established health care professions of Medicine, Nursing, and Dentistry, the disciplines in Rehabilitation Medicine have existed as professions for little more than 50 years. Being the new kids on the health care block and starting with borrowed knowledge bases meant that research necessarily focused on the study of normal and impaired human functioning and how to treat related disabilities, rather than study of the clinical teaching/learning process.

Although most credentialing and association membership requirements for the three professions recognize the role of clinical education in professional training by specifying some minimum requirements, the feeling is that only recently have the professions awakened to the magnitude of its importance and the realization that it constitutes a legitimate area of specialized study. Some members of each profession, who are usually also clinical supervisors, have suggested that this aspect of the education process is so different, complex, and critical that it requires unique skills beyond those necessary for clinical practice and different from those necessary for classroom teaching. In addition, the best way to expand our understanding of effective clinical education is through active research. There are many important questions to be answered, such as what model or style of clinical supervision is most effective, what the costs and benefits of clinical education may be and how they compare across students of different experience levels, and even whether or not supervision makes a difference. These and other issues founded in a small but rapidly growing body of related theory and research gave rise to the idea of a University of Alberta centre devoted to the study of the clinical education process.

The Centre for Studies in Clinical Education, formally established in 1 January 1989, is charged with the

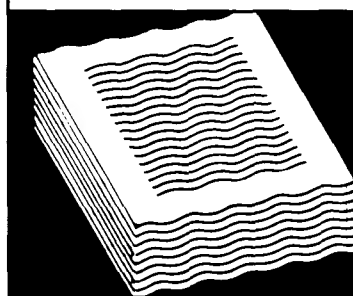
responsibility of organizing, consolidating, and standardizing the clinical practicum programs in OT, PT, and SPA. Also stated in its mandate is the responsibility for conducting and fostering research on clinical education and encouraging graduate study in this new area of specialization. Those involved with the Centre look forward to collaborating with their colleagues on discipline-specific projects and anticipate exciting potential for interdisciplinary study with members of education and health-related professions.

Centre staff believe that the

University of Alberta is the first post-secondary institution in North America to establish an interdisciplinary body with this focus. It is their hope that the Centre will be influential in an evolutionary process that will see clinical education take a prominent place beside academia in the training of professionals.

The Centre is administered through the office of James Vargo, Associate Dean of Rehabilitation Medicine. The Director is Paul Hagler, Associate Professor in the Department of Speech Pathology and Audiology. □

## Currents



comparing taste perception and dietary intake of women with and without breast cancer. In particular, volunteers without breast cancer are needed. If interested, telephone Holly Ames at 492-7674 or 487-7626.

## Medline Searching

The John W. Scott Health Sciences Library is offering instruction in the techniques of searching medical databases including Medline. Graduate students in the health science faculties and medical residents who want to sign up should contact the Health Science Library Reference Desk at 492-7947 or come to the desk in person.

Instruction will be offered as follows: Lecture, 20 March, 2 to 4 p.m., John W. Scott Library Conference Room. Lab, evening of 21 or 22 March, 453 Central Academic Building. Registration for the lab will be taken at the lecture.

## Soviet Evening News

The Department of Slavic and East European Studies invites all interested persons on campus to watch the evening news program, "Vremia", from the Soviet Union, daily (Monday through Friday) between 11 a.m. and noon. The broadcast can be seen in 4-36 Arts Building. It is all in Russian—no translation service is provided.

## 'An Evening With Paul Davenport'

The University of Alberta Education Alumni Association invites members of the University community to attend its annual banquet and social on 18 March at the Westin Hotel.

Paul Davenport, President-Elect of the University of Alberta, is the guest of honor.

Festivities begin at 6:30 p.m. (cocktails); dinner is at 7:30. Cost: \$27 per person.

RSVP to Barbara Chaffey, Alumni Office, 492-4523, by 10 March.

## Freeman Reception Rescheduled

The reception for Peter Freeman w/ had to be postponed because of the recent blizzard has been rescheduled to 23 March, 3 to 5 p.m., at the Faculty Club. All of his friends and colleagues are invited to attend.

Anyone still wishing to contribute to a gift may send cash or a cheque to Marlene Sherban, Financial Systems and Analysis, Cameron Library.

## UNDO Meeting

The University Nuclear Disarmament Organization (UNDO) is sponsoring a free showing of a one-hour video, "Faces of the Enemy". This documentary explores the psychological ideas that all people use to create an "enemy" in our minds, and how similar the ideas are in all cultures.

The showing will take place in 165 Education South at 12:30 p.m., 14 March.

## Thank You From the Library

The Library would like to thank all office staff who assisted in distributing the second issue of *Library Editions* to the academic and professional staff in their departments. Your help is greatly appreciated.

There are still some copies available. If you would like to obtain one, telephone 492-3790.

## For Women Facing Changes

Are you: expecting your first child? returning to work or school after many years? retiring from your job?

Two nurses from the Faculty of Nursing, University of Alberta, are studying the effect of life changes on women's relationships. If you are a woman who is experiencing one of the periods of change mentioned above and you would be willing to talk about how these changes affect your relationships, please contact: Margaret Harrison, 492-5931, or Anne Neufeld, 492-6764.

## Women Volunteers Required

Women volunteers (45 to 55 years) are invited to participate in a study

## Profile: Raymond Stadlwieser, Supervisor, Building Services

Raymond Stadlwieser and his wife, Zenzi, have always believed in giving their children a good education. "Then the world is wide open to them, they can do almost anything they want," he asserts.

Of his 11 children (eight sons, three daughters), seven have already graduated from the University of Alberta, two currently attend and two are still in high school. So, although he says that by nature he doesn't like to plan ahead too much, you can bet he's not only done his share of planning but he's also been committed to years of hard work. "We've paid for their tuition and books for the first year and after that they work in the summer for tuition," he says, allowing that he and his wife haven't spent much money on themselves in order to realize their goal.

Having come to Edmonton from Tirol, Austria, in 1954, Stadlwieser appreciates the European tradition of learning more than one language and has enrolled all his children from kindergarten on in bilingual programs. "It was important to us and it really worked out," he maintains. In fact, all his children are bilingual, speaking not only English and French, but German as well. A father who recognizes the individuality of each of his children ("They don't all look alike, they're all different and we're proud of them"), he says he's encouraged both his sons and daughters to pursue a variety of fields. "The oldest is a teacher, the second, he's a geophysicist, the third a petroleum engineer, the fourth an agriculturalist, the fifth, she has two degrees—computing sciences and business—, the sixth, she's an engineer and geophysicist, and the seventh, he's a chemical engineer."

Stadlwieser joined the Building Services staff in 1957 on the nightshift. He became a supervisor in 1968 and has worked in the Biological Sciences Centre since 1974. "I know it so well," he laughs, "it's almost like my 'home'." From 3 to 11 p.m., he and his crew of 25 handle the daily cleaning of floors, walls and blackboards, in not only Biological Sciences, but also in Earth Sciences, the Ring Houses and University House. As well, they remove garbage and deal with the paper for recycling—at least a ton a week. "We collect it twice a week and deliver it to the loading dock." They work together as an efficient team, he suggests. "I like my people," says Stadlwieser. "They trust me and I trust them, and they



Credit Raymond Stadlwieser and his crew for the neat appearance of the Biological Sciences Centre and other buildings.

work hard," he says.

As a supervisor, Stadlwieser has not only taken management courses over the years, but also has first aid training. That comes in handy both for helping his staff and occasionally if a student or professor needs assistance in the building.

Home is a farm near Beaumont where the family have cattle and raise barley. Before he reports for work, Stadlwieser feeds and cares for the animals and does other farm chores. When they're around, the kids all help out. "The whole thing is really a family affair," comments Stadlwieser. The land provides him with quiet pleasures too. "We have lots of moose and deer," reveals Stadlwieser, who likes seeing them near the lake on his property.

In 32 years, Raymond Stadlwieser has rarely missed a day of work. Not only is he healthy, he says he enjoys coming to work every day. In fact, he acknowledges, his "complete life" makes him happy. He feels he's been able to accomplish more than he could have dreamed of, his wife and family could not be any better. "I'm 100 percent satisfied, more than 100 percent," he reflects. □

## Syed M.A. Hameed, 1932 - 1989

Syed Hameed, Professor of Industrial Relations in the Faculty of Business, passed away recently in Edmonton.

Dr. Hameed did his BA degree at Punjab University in 1954, and his master's degree from the same institution in 1956. He was awarded the Fulbright and Smith-Mont scholarships to study at the Universities of Colorado and Wisconsin. His PhD dissertation from the University of Wisconsin, in 1964, was on the economic development of Pakistan, applying an interdisciplinary approach which included sociology, law, political science, and organization and human behavior.

From 1964-68, Dr. Hameed was Senior Research Economist in the Canada Department of Labour, Ottawa, during which time he completed a report for the Prime Minister's Task Force on Labour Relations.

In 1968, he was appointed an Associate Professor in the Faculty of Business at the University of Alberta, becoming a full Professor

in 1971, later serving as Chairman of the Department of Industrial and Legal Relations.

Dr. Hameed served on many University committees, and received many academic awards and distinctions. He published a vast number of articles, books and monographs. His interest in the *Encyclopedia of World Muslims* originated during discussions while engaged in writing a report on "Muslims in Canadian Mosaic and Their Links with Their Countries of Origin: An Albertan Study" (with Z. Husaini, 1988).

Dr. Hameed was also instrumental in the organization of several conferences, among them "Work and Leisure in Canada," "3 or 4 Day Work Week," "Multiculturalism and Third World Immigrants" and, in 1978, "Race Relations in Canada."

Dr. Hameed will be remembered as a distinguished colleague and friend by all who knew him. He is survived by his wife, Syeda, two sons, Morad and Yavar, and a daughter, Ayesha. □

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# Powers of Deduction Being Woven Into Computer Languages

Koicki Furukawa, deputy director of the Institute for New Generation Computer Technology (ICOT) in Japan, visited Randy Goebel (Computing Science) and the University of Alberta, 18 to 20 February. While here, Dr. Furukawa presented a technical talk on Japan's Fifth-Generation Computer Project, which is working toward a unified computation scheme for knowledge

information processing—one more step in the development of artificial intelligence (AI). In an interview, Dr. Goebel elaborated on what that work means.

Earlier stages of computer development are referred to as the first four "generations." The 10-year ICOT project was created in order to identify what the fifth generation would look like and to involve Japan in its development.

Project researchers decided that the direction of the next computer generation lay in logic programming, which computes in symbols rather than numbers. Computer languages using this

concept are able to compute entirely on the basis of deduction (if this . . . then that . . .).

Research advances also are enabling computers to jump to conclusions and reason hypothetically. Japanese researchers now rely on such a system that Dr. Goebel created several years ago and expanded with Dr. Furukawa.

Dr. Goebel says the goal in artificial intelligence research is to raise the computer program beyond the level of being just a tool, to being able to anticipate a stream of rational human thought and make preliminary judgments

based on it. Essentially, it will provide service such as we would expect of a good assistant who doesn't have to be told everything.

Dr. Goebel takes the mystery out of artificial intelligence, calling it "good old-fashioned computer science, just done from a different point of view." Rejecting notions of exotic creations or startling breakthroughs, Dr. Goebel argues that the work is a matter of logical progressions through steady research. He says, "Once you take the whipping cream and the cherry off of AI, what's underneath is just the same old Jell-O that's in every other scientific endeavor."□

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## Carla Alixe Colter, 1934 - 1989

Carla Alixe Colter, Associate Professor in the Department of Romance Languages, passed away at the Cross Cancer Clinic on Friday, 17 February. She was a member of the University staff for almost 30 years and had planned to take early retirement this year.

She came to the University of Alberta in September 1959, having completed her BA at McGill and with a doctorate in progress at the University of Paris. Appointed as a Lecturer, she was promoted to the rank of Assistant Professor in 1961, the same year in which she was granted tenure. Promotion to Associate Professor came in 1967.

The first courses she taught at the University were in French literature of the nineteenth century, although her particular interest was in the theatre and poetry of the seventeenth and eighteenth centuries and, more recently, most of her time as a teacher was given to courses in French language and the history and civilization of France.

When she came here, both the city and the University were quite different places from what they are today. The Department of Romance Languages had yet to be formed and was still part of a Department of Modern Languages. Departments were not nearly so big, collegiality was closer, pressures and the demands of research were less, and the smaller classes permitted more of the intimacy of the tutorial. It was in a University conceived in those terms that Professor Colter was schooled and to its spirit that she endeavored to remain faithful throughout her career. Her colleagues in the Department of Romance Languages and beyond take this opportunity to express their appreciation for her dedication and service during her long career.□

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## 'Beyond Boundaries III': Political Theorist Charles Taylor

The final speaker in the Faculty of Arts lecture series which explores interdisciplinary concerns is Charles Taylor of McGill University. Taylor is a professor of philosophy as well as of political science. He has taught at Princeton where he was also a member of the Institute for Advanced Studies, and at the University of California at Berkeley. He was until 1981 Chichele Professor of Political Science and Social Theory at Oxford University.

His many books include a very influential study of Hegel's thought and its influence on the present. His last two books, *Human Agency*

and *Language and Philosophy of the Human Sciences*, were published by Cambridge University Press in 1985.

Dr. Taylor does not confine his thinking about the political and social dimensions to the classroom. He has been president of the New Democratic Party in Quebec as well as vice-president of the federal NDP.

His talk here is titled "Cross Purposes: The Liberal/Communitarian Debate." It will take place in Tory Lecture B2 at 4 p.m. on Friday, 10 March. Everyone is most welcome to attend.□

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## Tipping the Scales Fantastic

Words to live by from Campus Recreation: one thousand calories a week is an optimum amount of exercise, when combined with an adequate food intake, to maintain healthy weight.

That said, *Folio* reminds readers that March is National Nutrition Month and that Campus Recreation is hosting 1000 Calorie Week, 20 to 23 March. This, the second annual campaign, has a plethora of user-friendly displays and special events intended to increase a person's awareness of the energy they expend when doing physical activity.

The goal of National Nutrition Month is to promote variety in the diet, moderate fat intake, encourage generous dietary fibre

intake, and achieve healthy weight. Information on all of these topics will be available in W-90 Van Vliet Centre.

The special events are: 20 March, skinfold measurement, 11 a.m. to 2 p.m. and 3 to 6 p.m., and the calorie run, noon to 1 p.m. 21 March, BMI (body mass index), 8 a.m. to 6 p.m., and the calorie swim (call 492-5705 for the various times). 22 March, BMI, 8 a.m. to 6 p.m., and the calorie counter aerobic workout, noon to 1 p.m. 23 March, skinfold measurement, 11 a.m. to 2 p.m. and 3 to 6 p.m., and the calorie run, noon to 1 p.m.

Displays will be open to the public from 8 a.m. to 6 p.m. daily.□

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## Talks

### Heritage Cardiovascular Disease Group

9 March, noon. Norman J. Davies, "Energy Substrate Utilization in the Reperfused Myocardium. Limitations of Radionuclide Imaging." 2G2.01 Mackenzie Health Sciences Centre.

### Soil Science

9 March, 12:30 p.m. W.D. Humphrey "Nutrition of Black Spruce on Peats." 2-36 Earth Sciences Building.

### International Centre

9 March, 12:30 p.m. Sanjay Singh will demonstrate the art of Indian cooking. 10 March, noon. Luke Chong, "The Gunung Mulu Caves of Borneo." 13 March, noon. Chief Bernard Ominayak will narrate a 30-minute video, "Our Land Our Life." 14 March, 12:30 p.m. Helen Berrett will lead the group in an hour of traditional folk dances from around the world. 15 March, noon. "Salman Rushdie: What are the Deeper Questions?"—a discussion with foreign and Canadian students who are familiar with the book and the questions raised by it. 16 March, 12:30 p.m. Chaldeans Mensah, "Developing Countries in the Global Trading System." All events in 172 HUB International.

### CITL

9 March, 12:30 p.m. Susan Jackel, "Team-Teaching." TBW-2 Tory Breezeway. 9 March, 2:30 p.m. Jim Newton, "Improve Teaching Through Peer Consultation." TBW-2 Tory Breezeway. 13 March, 2:30 p.m. Roger Shiner and Robert S. Thornberry, "Journals in the Humanities." TBW-2 Tory Breezeway. 14 March, 3 p.m. Dianne Kieren, "Andragogy and Other Myths About Teaching Adults in the University." TBW-2 Tory Breezeway. 15 March, 2:30 p.m. Paula Brook, "Reviving the Walking Dead: Increasing Involvement of Non-Involved Students." TBW-2 Tory Breezeway. 16 March, 12:30 p.m. Gordon Rostoker, "Publish and/or Perish: An Insider's



Guide to Publishing in Scientific Journals." TBW-2 Tory Breezeway.  
16 March, 3 p.m. Bob Mulcahy and David Peat, "Teaching Learning/Thinking Skills to Adults." TBW-2 Tory Breezeway.  
20 March, 3 p.m. Peter Apedaile, "Food Security: Self Sufficiency or Trade." TBW-2 Tory Breezeway.

17 March, 12:30 p.m. Graham J. Burne, "The Importance of Effective Communication in Teaching." TBW-2 Tory Breezeway.  
21 March, 3 p.m. Mary Mahoney-Robson, "Manuscript to Book: The Publishing Process." TBW-2 Tory Breezeway.  
22 March, 3:30 p.m. James F. Forrest, "Milton's Sonnet on His Blindness." TBW-2 Tory Breezeway.

## Rural Economy

9 March, 3:15 p.m. Heath Coles, "A Risk-Return Analysis of Beef Feedlot Investment in Alberta." 519 General Services Building.  
13 March, 3:15 p.m. Colin Carter, Department of Agricultural Economics, University of California—Davis, "The Political Economy of U.S. Wheat Legislation." 519 General Services Building.

## Nursing, Anthropology and Physiology

9 March, 3:30 p.m. Dr. Wei Bei-hai, director of the Beijing Research Institute of Traditional Chinese Medicine, "The Role of the Sick Person in Chinese Society." 14-6 Tory Building.  
13 March, 4 p.m. Dr. Wei, "The Nursing Profession in China and the Role of Nurses in Chinese Hospitals." 2F1.04 Mackenzie Health Sciences Centre.  
16 March, 3:30 p.m. Dr. Wei, "Regional Ethnic Differences in Physical and Mental Health in China." 14-6 Tory Building.  
22 March, 8 p.m. Dr. Wei and Steven Aung, "Combining the Best of Traditional and Western Medicine: The Chinese Approach." B-2 Tory Lecture Theatre.  
23 March, 3:30 p.m. Dr. Wei, "The Fate of the Barefoot Doctor Program in China: Possible Lessons for Health Care Delivery in the Canadian North." 14-6 Tory Building.

## Entomology

9 March, 4 p.m. D.A. Craig, "Blackfly Tails from the South Pacific: The Backside of Paradise." TBW-1 Tory Breezeway.  
23 March, 4 p.m. A.T. Whitehead, Department of Zoology, Brigham Young University, Provo, Utah, "Electroantennograms of Mountain Pine Beetles." TBW-1 Tory Breezeway.

## Pharmacy and Pharmaceutical Sciences

9 March, 4 p.m. John Bend, chairman, Department of Pharmacology and Toxicology, University of Western Ontario, "Cell Selective Toxicity in the Lung: Role of Pulmonary Metabolism." 6069 Dentistry-Pharmacy Centre. Funded by AHFMR.

## Genetics

9 March, 4 p.m. Allen Good, Plant Biotechnology Institute, Saskatoon, "Co-ordinate Induction of Anaerobically Expressed Genes in Barley." G-217 Biological Sciences Centre.  
16 March, 4 p.m. Peter McCourt, Massachusetts Institute of Technology,

Whitehead Institute, "Characterization of Mutants and Genes Involved in *Arabidopsis* Germination." G-217 Biological Sciences Centre.

## Family Studies and Rural Economy

9 March, 7:30 p.m. Ruth Deacon, dean emeritus, College of Home Economics, Iowa State University, "The Family System: Uniqueness of Interpersonal and Managerial Interactions." L-1 Humanities Centre.

## Area Studies Committee Africa and South Asia

10 March, noon. Gita Das, Edmonton writer in Oriya Language and Literature, "Early Oriya Literature and Gita Govinda." 14-6 Tory Building.  
17 March, noon. Gita Das, "Modern Oriya Literature." 14-6 Tory Building.

## Club IDC and Educational Foundations

10 March, 2 p.m. Douglas Wahlsten, Department of Psychology, University of Waterloo, "Limitations of Genetic Explanations in Education." 4-110 Education North.

## Physics

10 March, 2 p.m. J. Dixon, University of Warwick, United Kingdom, "Localized Vibronic States in Solids due to the Jahn-Teller Effect." V-121 Physics Building.  
13 March, 2 p.m. Elie J. Korkmaz, TRIUMF, "Proton-Induced Pion Production from Nuclei: Present and Future." V-121 Physics Building.  
15 March, 3:30 p.m. G. Rowlands, University of Wisconsin—Madison, "Lagrangian Coordinate Methods in Plasma Physics and Other Fluid Like Media." 631 Physics Building.  
17 March, 2 p.m. Dr. Rowlands, "Modern Theories of Weak Turbulence." V-121 Physics Building.

## East Asian Languages and Literatures

10 March, 2:30 p.m. Fourth Annual Students' Speech Contest in Japanese. Sponsored by the Consulate-General of Japan in Edmonton and the Japan Foundation, Tokyo. 2-37 Law Centre.

## Animal Science

10 March, 3 p.m. Shannon Scott, "Effect of Cold on Protein Synthesis in Calves." 1-13 Agriculture-Forestry Centre.  
17 March, 3 p.m. Marcus Yu, "Some Alternatives to the Use of Chemicals in Farming." 1-13 Agriculture-Forestry Centre.

## East Asian Languages and Literatures and Comparative Literature

10 March, 3 p.m. Margaret Sung, Indiana University, "Chinese Language, Culture, and Social Behaviors." 1-05 Business Building.

## Zoology

10 March, 3:30 p.m. L.K. Kaczmarek, Yale University School of Medicine, "Regulation of Prolonged Changes in Neuronal Excitability." M-149 Biological Sciences Centre.

17 March, 3:30 p.m. Linda Fedigan, "Reproductive Success and Life Histories of Female Monkeys." M-149 Biological Sciences Centre.

## Faculty of Arts Lecture Series: 'Beyond Boundaries'

10 March, 4 p.m. Charles Taylor, professor of political science and philosophy, University of Rochester, "Cross Purposes: The Liberal/Communitarian Debate." B-2 Tory Lecture Theatre.

## Food Science

13 March, noon. R.R. Mahoney, University of Massachusetts, Amherst, "Enzyme Stabilization—Concepts and Approaches." 1-13 Agriculture-Forestry Centre.  
15 March, noon. Dr. Mahoney, "Thermal Stabilization of  $\beta$ -galactosidase by Milk Proteins." 1-13 Agriculture-Forestry Centre.

## Boreal Institute and Zoology

13 March, noon. Milton Freeman, "Mired in Contradiction: Research Whaling, Coastal Whaling and the 1982 Moratorium." B-105 Biological Sciences Centre.  
20 March, noon. Paul Paquet, "Behavioural Ecology of Wolves and Coyotes." B-105 Biological Sciences Centre.

## Geography

13 March, 3 p.m. Geoffrey Godbey, "Tourism, Plan and Monetary Spending—The Impact of Repeating a Tourist Experience." 3-36 Tory Building.  
15 March, 3 p.m. Erhan Erkut and Stephen Moran, Terrain Sciences Department, Alberta Research Council, "Location of Obnoxious Facilities in the Public Sector: Application of Analytic Hierarchy Process to Municipal Landfill Siting Decisions." 3-36 Tory Building.

## The John S. Colter Lecture in Biochemistry

13 March, 4 p.m. Wolfgang K. Joklik, James B. Duke professor and chairman, Department of Microbiology and Immunology, Duke University Medical Center, Durham, North Carolina, "Structure and Function of Reovirus Genes." Bernard Snell Hall, Mackenzie Health Sciences Centre.

## Literary Theory Lecture Series

13 March, 4 p.m. Janice Williamson, "Of Arcades, Pleasure Domes and Plain Consuming: A Socialist-Feminist Reading of West Edmonton Mall." L-3 Humanities Centre.

## Slavic and East European Studies

14 March, 10 a.m. Four Soviet Russian writers—Vasilii Belov, Olga Fokina, Egor Isaev, Victor Petelin and Alexander Vaschenko—will read from their works. (Written translations and oral summaries provided.) 141 Arts.

## Geology and the P.S. Warren Society

14 March, 11 a.m. Dean Presnall,

University of Texas—Dallas, "Contrasting Volcanic Styles in Hawaii and Mt. St. Helens." 1-04 Earth Sciences Building.

## Religious Studies

14 March, noon. Randi R. Warne, program director, Continuing Education, St. Stephen's College, "'Never Retract, Never Explain, Get the Thing Done and Let Them Howl': The Rip-Roaring Christian Feminism of Nellie L. McClung." TBW-2 Tory Breezeway.

## Boreal Institute for Northern Studies

14 March, 12:30 p.m. Lynda Lange, "Take Our Word: Ethical and Methodological Parallels in Women's Studies and Native Studies." 14-6 Tory Building.

## Plant Science

14 March, 12:30 p.m. A. Lowther, "A History of Photosynthesis: 400 B.C., 19th Century." 1-06 Agriculture-Forestry Centre.  
17 March, 12:30 p.m. M. Schellenberg, "Competition Within Mixed Pasture Swards." 1-06 Agriculture-Forestry Centre.

## Anthropology

14 March, 3:30 p.m. Peter Rowley-Conwy, Memorial University, "From Star Carr to the Neolithic: The Mesolithic of Northern Temperate Europe and the Adoption of Agriculture." 14-6 Tory Building.

## Classics

14 March, 3:30 p.m. Haijo J. Westra, University of Calgary, "Critical Approaches to Medieval Latin Literature" (with special reference to the methodologies of Curtius, Auerbach, Jauss, and Peter Dronke). 1-8 Humanities Centre.

## Forest Science

15 March, noon. Xie Chang Yi, "Mating System and Genetic Structure of *Thuja Orientalis* Linn." 4-1 Mechanical Engineering Building.  
16 March, 1:30 p.m. University Forestry Research Symposium. 2-21 Humanities Centre.  
16 March, 3:30 p.m. Mike Apsey, president and chief executive officer, Council of Forest Industries of British Columbia, "New Dimensions in the Development of Forest Policy: Lessons from the Trenches." L-1 Humanities Centre.

## Botany

15 March, 4 p.m. Lynne Sigler, "Microbial Culture Collections—Key Resources for Applied and Basic Research." M-149 Biological Sciences Centre.

## Applied Mathematics Institute

15 March, 4 p.m. F.A. Baragar, "Mathematical Modelling of Muscle Recruitment Patterns in Jaw Mechanics." 657 CAB.

## Comparative Literature

15 March, 4 p.m. S.J. Schmidt, Universität Siegen, West Germany,

"Genre Problems in Television."  
L-4 Humanities Centre.

## Federation of Canada-China Friendship Associations

15 March, 7 p.m. Free slide-show presentation by the association's president, Molly Phillips, who has travelled throughout China extensively. 172 HUB International.

## Library and Information Studies

16 March, noon. Anna Altmann, "Till Eulenspiegel: A Biography of a Folktale." 3-22 Rutherford South.

## Jewish-Christian Dialogue

16 March, 3:30 p.m. Rev. Paul Facht, Newman Theological College, "A Jewish-Christian Interpretation of the Torah." Faculty Lounge, St. Joseph's College.

## Women's Studies, History, Religious Studies and Sociology

16 March, 3:30 p.m. Maureen Ursenbach Beecher, associate professor of English and research historian, Joseph Fielding Smith Institute for Church History, Brigham Young University, "The Role of Women in the Origins and Growth of Mormonism." 1-93 Tory Building.

## English

16 March, 4 p.m. R.J.S. Grant, "Pictish and Anglo-Saxon Confrontations: The Battle of Nechtansmere Reconsidered." L-3 Humanities Centre.  
21 March, 12:30 p.m. Steven Connor, London, "Postmodernism, Value and Ethical Possibility." L-3 Humanities Centre.  
22 March, 4 p.m. Professor Connor, "Language and Power in Dickens' Later Novels." L-3 Humanities Centre.

## Art and Design

16 March, 5 p.m. Denise Leclerc, National Gallery of Canada, "The Crisis of Abstraction in Canada: The Fifties." 2-20 Fine Arts Building.

## Sociology

17 March, 10 a.m. Bob Sass, director, Labour Studies, University of Saskatchewan, "Occupational Health and Safety: A Public Policy Perspective." Co-sponsors: Organizational Analysis and Sociology. 4-16 Business Building.

## School of Native Studies

17 March, noon. Thomas R. Berger, professor of Law, UBC, and a former member of the BC Supreme court, "Native Peoples: Their Rendezvous With History." Co-sponsors: Law, Boreal Institute of Northern Studies, History, and Educational Foundations. B-1 Tory Lecture Theatre.

## Canadian Institute of Ukrainian Studies

17 March, 7:30 p.m. Bohdan Kordan, Department of Social Sciences, Grant MacEwan Community College, "Internment of Ukrainians in Canada During World War I: The Castle Mountain Experience." Heritage Lounge, Athabasca Hall.

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## Law

18 March, 9:30 a.m. Saturday Morning at the Law School—"Wills and Estates." Law Centre.

## Music

18 March, 10:30 a.m. Graduate Music Student Symposium Lecture. Richard Troeger, "Bach's Keyboard Textures and the Goldberg Variations." Presented in co-operation with the University of Calgary. 1-29 Fine Arts Building.

## United Church Campus Ministry

20 March, noon. George Hermanson, director, Five Oaks Center for Transformation of Self and World, Paris, Ontario, "Science and Religion in a Post-Modern World." 270A Students' Union Building.  
21 March, 7:30 p.m. George Hermanson, "Faith and Academia: Plurality and Ambiguity in the Quest for Human Transformation." St. Stephen's College Lounge.

## Women's Studies Program

20 March, 4 p.m. Lynda Nead, Department of History of Art, Birkbeck College, University of London, "Getting Down to Basics: Art History and the Female Nude." 2-20 Fine Arts Building.  
21 March, 3:30 p.m. Dr. Nead, "Reworking the Tradition: Feminist Representations of the Female Body." 2-20 Fine Arts Building.  
22 March, 4 p.m. Dr. Nead, "The Language of Infection: Disease and Deviancy in Victorian Art." 2-20 Fine Arts Building.

## Alberta Heritage Foundation for Medical Research

21 March, 4 p.m. Richard Mosser, postdoctoral fellow, Department of Biochemistry, Molecular Biology, and Cell Biology, Northwestern University at Evanston, "DNA Protein Interactions in the Human HSP70 Promoter." Presented by Anatomy and Cell Biology. 5-10 Medical Sciences Building.

## Anatomy and Cell Biology

22 March, 4 p.m. Lisa Stockbridge, "Mechanotransduction by Stretch-Activated Ion Channels." 5-10 Medical Sciences Building.

## Alberta Heritage Foundation for Medical Research and Genetics

22 March, 4 p.m. Vincent Giguère, Research Institute, Hospital for Sick Children, Toronto, "Molecular Biology of the Retinoic Acid Receptor." M-149 Biological Sciences Centre.

## The Arts

## Exhibitions FAB Gallery

Until 12 March. "ASTECS—"current works by 12 technical staff in the Department of Art and Design.  
14 to 26 March. "Pressing Matters—"an exhibition by senior printmaking students.

14 to 26 March. Anthony Caro—recent sculptures.

## Bruce Peel Special Collections

Until 25 March. "Three Centuries of John Bunyan: The Progress of a Pilgrim." B-7 Rutherford South.

## Music

14 March, 8 p.m. Symphonic Wind Ensemble Concert—Fordyce Pier, director. Admission: \$5/adults; \$3/students and seniors. Convocation Hall.  
15 March, 8 p.m. Student Composers Concert. Convocation Hall.  
17 March, 8 p.m. Collegium Musicum Concert—Marnie Giesbrecht, director. Music from six centuries—Medieval to Baroque. Admission: \$5/adults; \$3/students and seniors. Convocation Hall.

## Intramural Programs

Open to academic and non-academic staff as well as to students. 492-5705.

## Women's Program

22 March, 7 p.m. Ringette. Ice Arena. Entry deadline: 15 March, 1 p.m.

## Special Events Program

19 March. Family Fun Sunday. Pavilion and West Pool. Entry deadline: 17 March, noon. Pavilion and West Pool.

## Award Opportunities

### University of Alberta Alumni Association Maimie S. Simpson Memorial Scholarship

The University of Alberta Alumni Association offers an annual scholarship in honor of Maimie S. Simpson, former Dean of Women.

The scholarship has a value of \$1,500 and will be presented to a full-time student who has attended the University of Alberta for at least the two previous years.

#### Criteria

1. The applicant's contribution to campus life and to the University of Alberta community will be the basis for selection.
2. The applicant should have a satisfactory academic standing and plan to continue studies at the University of Alberta in 1989-90.

Application forms and further information may be obtained from: Office of Alumni Affairs, 430 Athabasca Hall, University of Alberta, Edmonton, Alberta T6G 2E8.

Application deadline: 28 March 1989. The scholarship will be presented at the Annual Alumni Awards Dinner on 21 September 1989.

Note: Previous recipients of the University of Alberta Alumni Association's 75th Anniversary Scholarship are not eligible for this award.

### University of Alberta Alumni Association 75th Anniversary Scholarship

The University of Alberta Alumni Association offers an annual scholarship

in honor of the University's 75th Anniversary.

The Scholarship has a value of \$1,500 and will be presented to a full-time student who has attended the University of Alberta for at least the two previous years.

#### Criteria

1. The applicant's contribution to campus life and to the University of Alberta community will be considered.
2. The applicant should have a satisfactory academic standing and plan to continue studies at the University of Alberta in 1989-90.

Application forms and further information may be obtained from: Office of Alumni Affairs, 430 Athabasca Hall, University of Alberta, Edmonton, Alberta T6G 2E8.

Application deadline: 28 March 1989.

The scholarship will be presented at the Annual Alumni Awards Dinner on 21 September 1989.

Note: Previous recipients of the University of Alberta Alumni Association's Maimie S. Simpson Memorial Scholarship are not eligible for this award.

### University of Alberta Alumni Association Reginald Charles Lister Memorial Scholarship

The University of Alberta Alumni Association has established an annual scholarship, to be awarded for the first time in 1989, in honor of Reg. C. Lister, who spent almost 50 years serving the University, many of them as Superintendent of Student Residences.

The scholarship has a value of \$1,500 and will be presented to a full-time student who has attended the University of Alberta for at least the two previous years.

#### Criteria

1. Major emphasis will be placed on applicant's contribution to campus life and to the University of Alberta community.
2. The applicant should have a satisfactory academic standing and plan to continue studies at the University of Alberta in 1989-90.

Application forms and further information may be obtained from: Office of Alumni Affairs, 430 Athabasca Hall, University of Alberta, Edmonton, Alberta T6G 2E8.

Application deadline: 28 March 1989. The scholarship will be presented at the Annual Alumni Awards Dinner on 21 September 1989.

Note: Previous recipients of the University of Alberta Alumni Association's 75th Anniversary and Maimie S. Simpson Memorial Scholarships are not eligible for this award.

## Positions

The University of Alberta is committed to the principle of equity in employment.

In accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.

## Academic

### Faculty Service Officer, Population Research Laboratory, Department of Sociology

Applications are invited for a contract-limited position in the Population Research Laboratory,

beginning 1 April 1989 and terminating 31 March 1990.

**Job description:** The FSO would be involved in managing survey research projects, analyzing survey data, writing research reports and grant proposals, and other research-related activities.

**Qualifications:** PhD in Sociology (or equivalent), with extensive survey research experience. Knowledge of statistical analysis techniques and computer applications is essential.

**Salary:** up to \$30,000, depending on qualifications.

Send application (with names of references) and curriculum vitae to: Dr. Harvey Krahn, Director, Population Research Laboratory, University of Alberta, Edmonton, Alberta T6G 2H4.

## Support Staff

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 492-5201. Due to publication lead time and the fact that positions are filled on an ongoing basis, these vacancies cannot be guaranteed beyond 3 March. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR.

Clerk Steno II (Trust), Computer Engineering, (\$1,276-\$1,584)  
Clerk Typist II (Trust), Physical Education and Sport Studies (Fitness Unit), (\$1,276-\$1,584)  
Clerk Steno III, Occupational Therapy, (\$1,421-\$1,785)  
Clerk Steno III, Zoology, (\$1,421-\$1,785)  
Clerk Typist III, Personnel Services and Staff Relations, (\$1,421-\$1,785)  
Library Clerk III, Faculté Saint-Jean, (\$1,421-\$1,785)  
Student Records Processing Clerk II (Term to 5 October 1989), Rehabilitation Medicine, (\$1,584-\$2,023)  
Administrative Clerk, Personnel Services and Staff Relations, (\$1,584-\$2,023)  
Medical Steno (Trust), Medicine (Division of Infectious Diseases), (\$1,584-\$2,023)  
Office Services Senior Clerk (Term to 1 January 1990), Forest Science, (\$1,785-\$2,297)  
Senior Accounts Clerk, Provincial Laboratory, (\$1,785-\$2,297)  
Laboratory Assistant II, Provincial Laboratory, (\$1,276-\$1,584)  
Technician I (Hourly/Trust), Rehabilitation Medicine, (\$10.83-\$13.91/hour) (new position)  
Technician I (Trust), Medicine (Muttart Diabetes Centre), (\$1,643-\$2,109)  
Technician I (Trust/term to 1 April 1991), Psychiatry, (\$1,643-\$2,109)  
Maintenance Worker I, Physical Plant, (\$1,714-\$2,200)  
Biology Technician II/Technologist I (Trust), Genetics, (\$1,863-\$2,611)  
Engineering Technologist II, Physical Plant - Plant Operations, (\$1,939-\$2,504)  
Biology Technologist I (Trust), Genetics, (\$2,023-\$2,611)  
Administrative Assistant I, Faculty of Extension (Business and Professional Programs), (\$2,023-\$2,611)  
Maintenance Worker II, Housing and Food Services, (\$2,023-\$2,611)  
Engineering Technologist III, Physical Plant Telecommunications, (\$2,200-\$2,851)  
Electronics Technician III, Physical Plant, Energy Management, (\$2,200-\$2,851)  
Technician IV, Physics, (\$2,397-\$3,113)  
Programmer Analyst III (Trust), Physics, (\$2,851-\$3,896)

For vacant Library positions, telephone 492-3790.

Library Clerk I, Library (Administration), (\$1,188-\$1,469)

## Advertisements

### Accommodations available

**Sale** - University area, Belgravia. Spectacular, contemporary, two storey, three bedrooms plus den, enclosed sunroom, beautiful condition. Asking \$158,000. Ed Lastiwka, 437-7480, 437-4984, Royal LePage Realty.

**Rent** - Fully furnished townhouse. May-July. \$695. 435-1710 or 432-5731 bus.

**Rent** - Riverdale. Sparkling, new, two-storey, two-bedroom home. March 1989. \$1,200/month. Western Relocation Services Limited. 438-1044.

**Rent** - Country living downtown! Unique setting, near river, one-bedroom, furnished home. May 1989. Two-year lease preferred. \$900/month. Western Relocation Services Limited. 438-1044.

**Sale** - Four bedroom, finished basement, sauna, 2 1/2 baths, shower, (one full bathroom). Beautiful, park-like yard, patio, burglar alarm, many extras. Close to University, Southgate. \$134,000. 436-3645, message.

**Sale** - Ada Boulevard. Executive, two-bedroom bungalow with professionally developed basement. Incredible views of river valley and Edmonton skyline. Phone Jacqui Lee, Re/Max Realty, 455-6900.

**Sale** - Garneau, exclusive area across from park. Original character, two-storey home with modern features, fixtures. Aristocrat kitchen, hardwood floors. \$156,900. Randy Mayoh, Re/Max Real Estate, 458-8300.

**Sale** - Elegant, Ekert and Smith-built, 2,200 sq. ft., 1 1/2 storey in Blue Quill. Quiet crescent. Three bedrooms and den. Phone 434-7259.

**Rent** - Large, luxurious, furnished home in Bears paw, for one year beginning July 1989. Prefer to leave family dog with home. Rent negotiable. 435-8667, 492-3454.

**Sale** - Central. One-bedroom condominium. Large, south backyard. Woodburning fireplace in living room. Sliding door to patio. Good reserve fund. Underground parking, lots of storage. \$72,500. Natalie, Re/Max. Realty. 438-1575, 438-5387.

**Rent** - Quiet, secure, one-bedroom suite. University area. \$310. 439-2714.

**Sale** - Riverbend. 4,600 sq. ft., deluxe, brick home. Post and beam construction, all appliances, drapes. Large lot, river valley view. Mature trees. \$429,000. Drive by 14316 63 Ave. 436-3179 for appointment.

**Rent** - Old Riverbend. 1 September-summer 1990. Four-bedroom, 2 1/2-bath, two-storey home. Furnished. \$950. 435-5427, 492-5860.

**Rent** - Glenora. July 1989-June 1990. Charming, cozy, renovated, two-bedroom bungalow. No smokers or pets. References please. 455-0620 evenings.

**Rent** - One block off Millcreek Ravine, minutes to University, downtown, Whyte Ave. Comfortable, one-bedroom bungalow with sundeck. Reasonable rent, 1 May to 21 October. 432-7842, 439-5525.

**Rent** - Fully-furnished, one-bedroom house. 1 May-31 August. \$350/month. (Conditions), 489-4190.

**Sale** - University area. \$98,500. Nicely upgraded, three-bedroom semi, comfortable basement suite, hardwood floors. Ed Lastiwka, 437-7480, 437-4984, Royal LePage Realty.

### Accommodations wanted

Architect's family, presently housesitting for study leave, interested in providing this service for 1-2 years.

University area, commencing anytime-September 1989. 439-1872 after 6 p.m.

Professional housesitter will care for your home for four months or longer, beginning September or October. References. 435-2453.

Professor requires 3- or 4-bedroom house for one year starting this summer. 492-7237.

Wanted to rent - House or apartment for visiting professor, wife, dog; from Halifax. Needed for three months (May, June, July 1989). Please phone (902) 477-3160 (after 3 p.m. MST).

Physiotherapist seeks house to sit May-September, will look after pets, plants. 488-5716.

### Goods for sale

Cash paid for appliances, 432-0272.

Wanted - Set of bicycle rollers. 492-5724, 437-1391.

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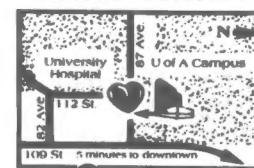
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## Editor

Athabasca University, located 150 kilometres north of Edmonton, is seeking applications for a Course Materials Editor in the Faculty of Arts and Sciences for substantive and copy editing of home-study instructional materials.

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Please submit resume and names of three references by March 31, 1989 to: Diane Ellefson, Human Resources, Athabasca University, Box 10,000, Athabasca, Alberta T0G 2R0.

Athabasca University 

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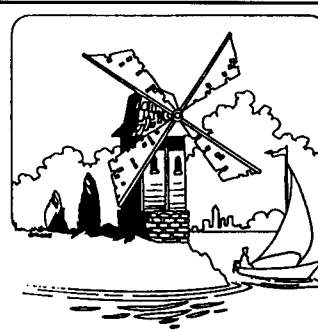
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